

## **REMARKS**

The present application is a divisional of United States Patent Application Ser. No. 10/224,793 filed on August 21, 2002 (the parent application) which is a continuation-in-part of United States Patent Application Ser. No. 09/805,422 (now United States Patent 6,473,696), the Grandparent application, filed on 13 March 2001. Claims 1- 4 were originally filed in the parent application. In a Restriction Requirement, election was required to be made between claims directed to the following patentably distinct species of the claimed invention:

- I. Claim 1, drawn to a method of measurements system in a specific environment with fluid flow investigation, classified in **Class 702, subclass 12**.
- II. Claim 2, drawn to a method of measurement system in a specific environment with specific display, classified in **class 702, subclass 16**.
- III. Claim 3, drawn to a method of measurement system in a specific environment relating to velocity of seismic wave, classified in **class 702, subclass 18**.
- IV. Claim 4, drawn to a method of measurement system in a specific environment with formation characteristics, classified in **class 702, subclass 11**.

In response to the Restriction requirement, Applicant elected to prosecute claim 1 in the parent application. In the present application, the applicant elects to prosecute

claim 2.

New claims 5-49 have been added. Claim 5 is an independent claim directed towards a computer system implementing a computer program. The program is generally described in the parent and grandparent applications.

Element (a) of claim 5 is discussed, for example, in paragraph [0021] of the application. Element (b) of claim 5 is discussed, for example, in paragraph [0025] of the application. Prediction methods are also discussed in paragraph [0025], while displaying is discussed in paragraph [0027]. Claims 6-25 are dependent upon claim 5.

Claim 26 is an independent claim directed towards a machine readable medium and includes the substantive limitations of claim 5. Claims 27-46 are dependent upon claim 26.

Claim 47 is directed towards a computer program implemented on a computer and includes the substantive limitations of claim 5.

No new matter has been added by the amendments. Consideration of the application as amended is respectfully requested. The Examiner's objections are addressed in substantially the same order as in the referenced office action.

## **REMARKS**

### **Rejections under 35 USC § 112 ¶ 2**

Claim 2 stands rejected under 35 USC § 112 ¶ 2 as being indefinite for failing to particularly point out and distinctly claim the subject matter which the applicant regards as the invention. Claim 2 has been amended following the Examiner's suggestions to overcome the rejection.

The Examiner has requested "copies of all the relevant and material references and office actions made of record in the Applicant's related U.S., PCT and foreign applications."

The grandparent application was allowed with no substantive office action.

The parent application was allowed after filing of a terminal disclaimer over the issued grandparent application. No relevant prior art was cited by the Examiner.

PCT application PCT/US02/06009 was filed with a priority claim to the grandparent application. The International Search Report had a single 'A' reference. The International Preliminary Examination Report indicated that all the claims were novel and showed an inventive step. No entry into National phase was made with the PCT/US02/06009 application.

An application has been filed in Venezuela with a priority claim to the grandparent application. No office action has been received to date.

PCT application PCT/US03/24283 was filed with a priority claim to the parent

application. The ISR in the case had two 'X' references. The IPER indicated that all the claims were novel and inventive. A copy of the ISR and IPER on the PCT/US03/24283 application is enclosed.

Additional prior art has come to the attention of the applicant recently. They are cited in the accompanying supplementary IDS.

Consideration of the application as amended is respectfully requested. A check in the amount of \$1166.00 is enclosed for these amendments, the supplementary IDS and the petition for two month extension to the office action. The Commissioner is hereby authorized to charge any deficiencies to and credit any overpayment due for these amendments to **Deposit Account No. 13-0010 (CON-1016D)**.

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Respectfully submitted,



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